

ABSTRACT

A magnetoresistive device (11C) disposed in an elongated magnetic sensor, for example, has two parallel arrays of magnetosensitive elements (121C) and (122C) arranged at regular intervals (D1) in the longitudinal direction. The magnetosensitive elements (121C) and (122C) are connected in series through connection conductors (123C) and (124C), respectively, in a meander pattern. The magnetoresistive device (11C) is disposed between magnetoresistive devices (11B) and (11D). The magnetoresistive devices (11B), (11C), and (11D) are arranged such that the intervals (D2) between the magnetosensitive elements (121C) disposed at the ends of the magnetoresistive device (11C) in the longitudinal direction and the opposite magnetosensitive elements (121D) and (121B) of the magnetoresistive devices (11D) and (11B), respectively, are equal to the intervals (D1).